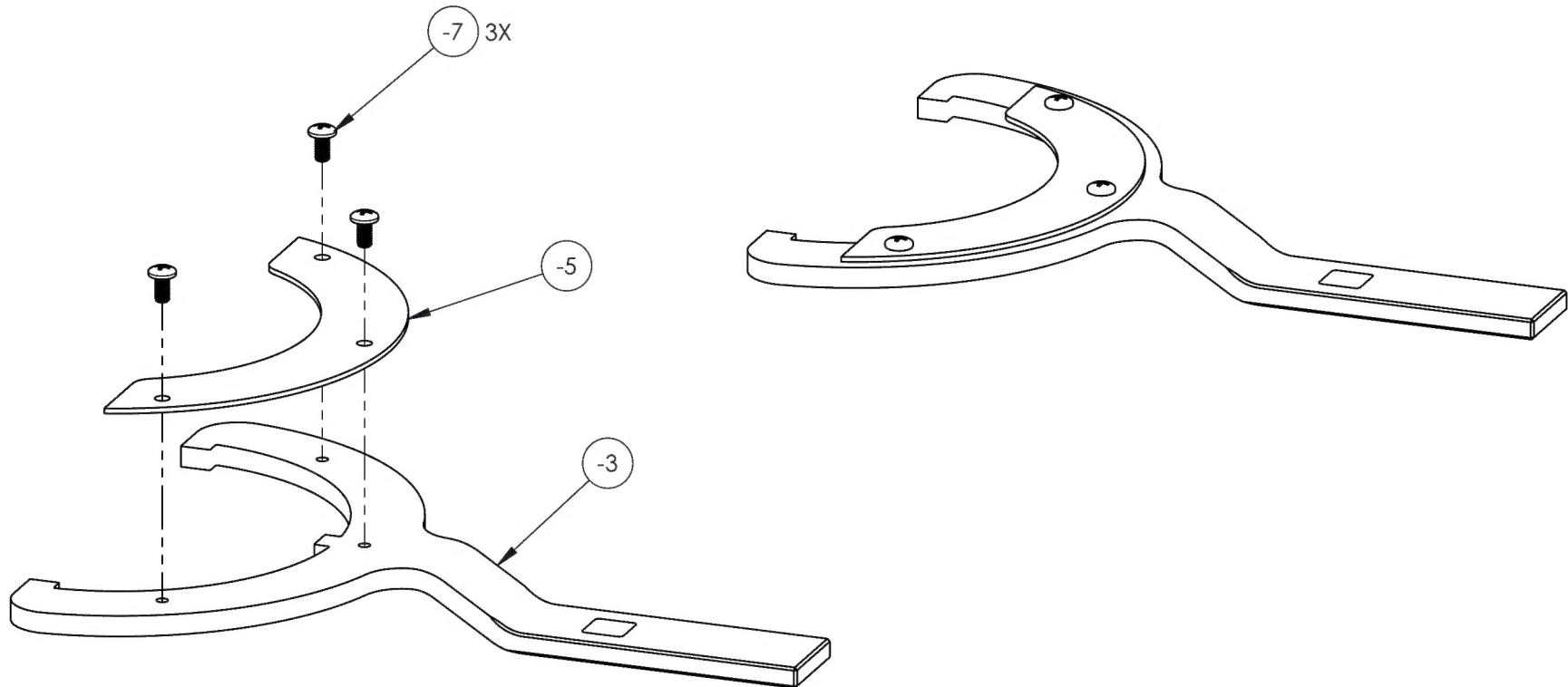


This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
A		DWG No. WAS 269A9312.	2/19/90	-	-
2		SCREWS CHANGED FROM AN515-8R5	-	-	-
3		CHANGED TO ALTERNATE METHOD WITH HOLES FOR STRESS RELIEF.	10/10/2007	WP	G.E.
4		CH'D ENGRAVE NOTE.	6/9/2009	RJC	-
4A		CREATED WELDMENT & RENUMBER COMPONENTS.	9/9/2011	SE	RW
5	15-0296	UPDATED TO NEW DRAFTING STANDARDS. -3 ADDED DIM 2X .670 MIN. CH'D DIM WAS 2X .503-.511 IS 2X .503-.508.. -3 & -5 CH'D FINISH WAS BLACK OXIDE IS BLACK ZINC ASTM B633 TYPE II SC2.	9/11/2015	DPD	JAG

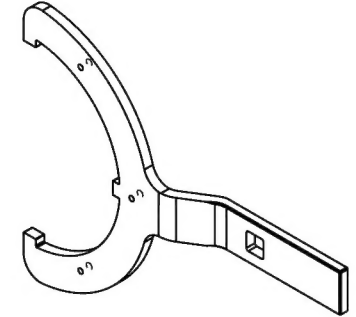
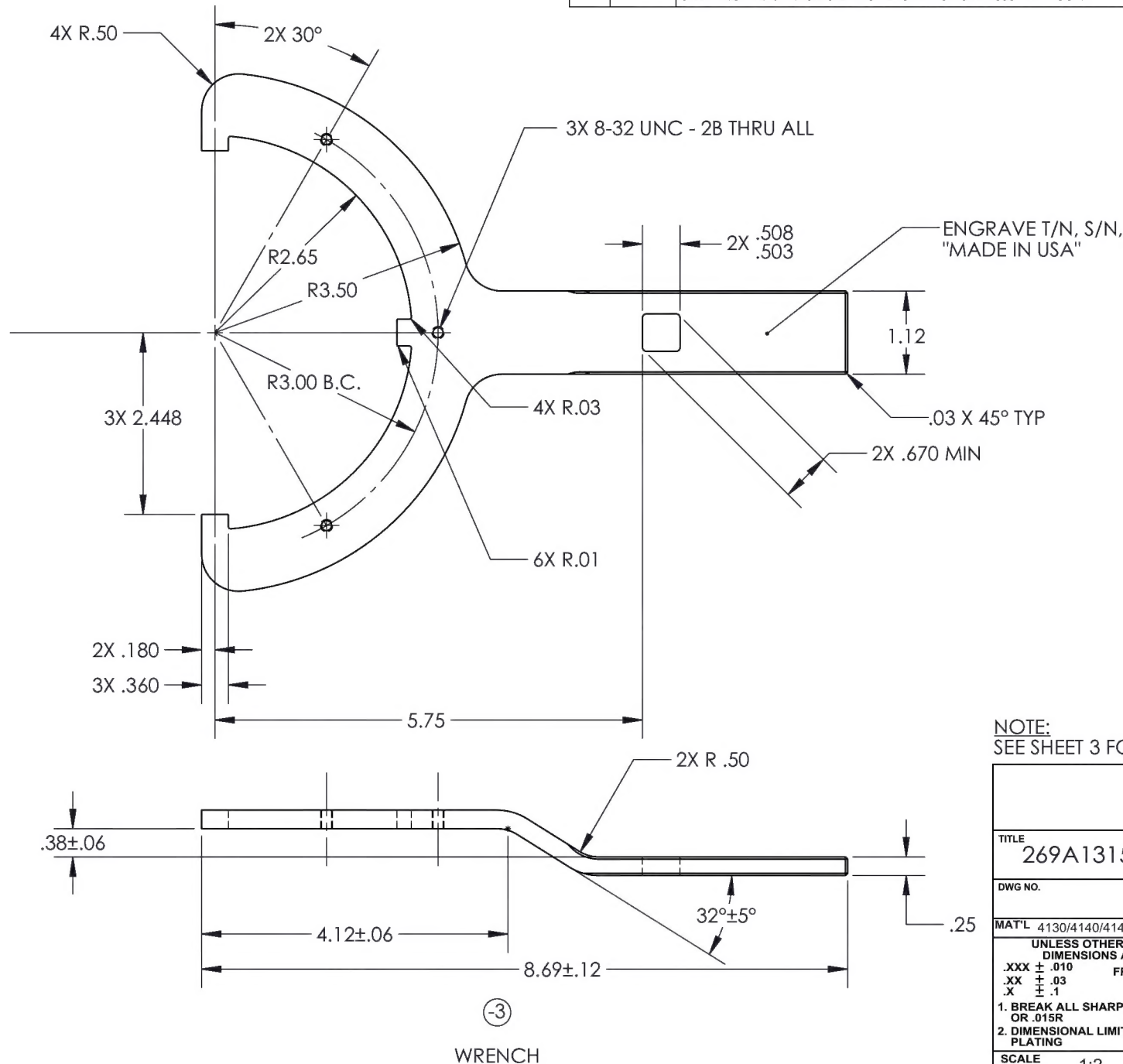


ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-3	1	WRENCH	4130/4140/4142		2/3
			-5	1	STOP	4130/4140/4142		4
		B/O	-7	3	SCREW	STEEL	8/32 X 5/16 (MCMASTER-CARR #91400A191)	1

DART AEROSPACE	
TITLE 269A1315 NUT INSTALLATION WRENCH	
DWG NO. 269T9312	REV 5
MAT'L	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .010 .XX ± .03 .X ± .1	HEAT TREAT FINISH
FRACTIONS ± 1/8 ANGLES ± 5°	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	269
SCALE 1:2	DATE 1/18/2012
SHEET 1 OF 4	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
5	15-0296	-3 ADDED DIM 2X .670 MIN. CH'D DIM WAS 2X .503-.511 IS 2X .503-.508. DELETED DIM 4X R.02 MAX. CH'D FINISH WAS BLACK OXIDE IS BLACK ZINC ASTM B633 TYPE II SC2.	9/11/2015	DPD	JAG

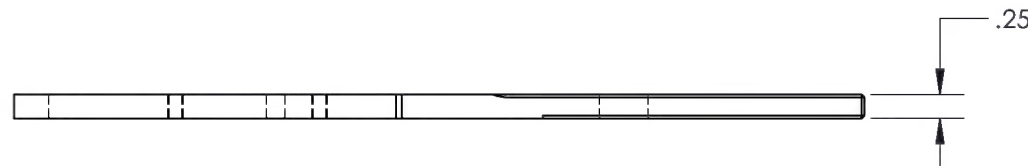
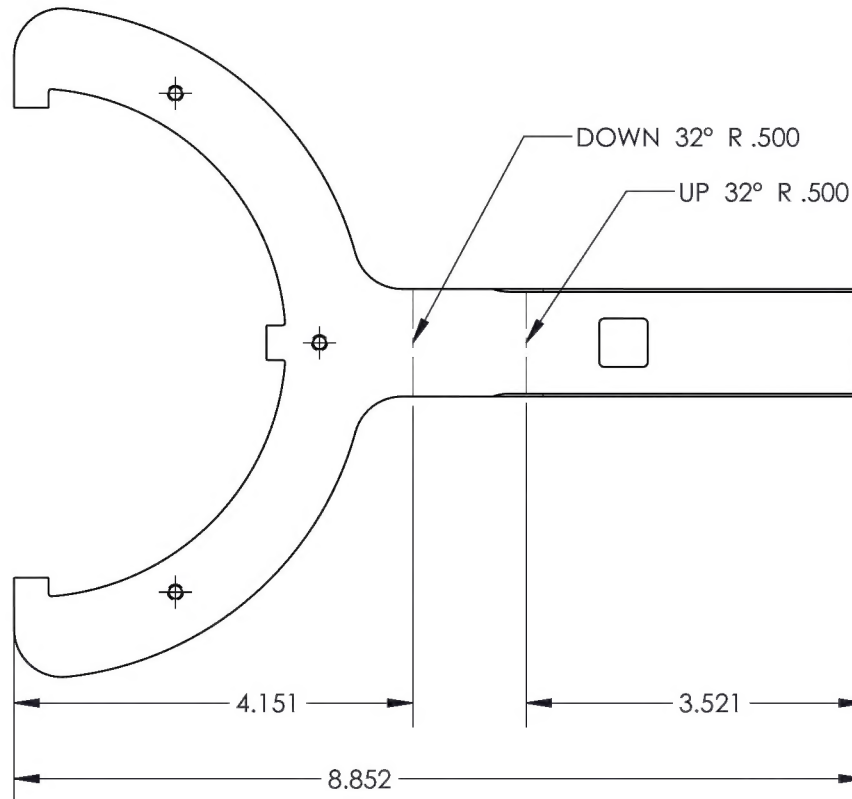


NOTE:
SEE SHEET 3 FOR FLAT PATTERN

DART AEROSPACE	
TITLE 269A1315 NUT INSTALLATION WRENCH	
DWG NO. 269T9312-3	REV 5
MAT'L 4130/4140/4142	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>P. Weil</i>
.XXX ± .010	HEAT TREAT RC 36-42
.XX ± .03	FINISH BLACK ZINC
.X ± .1	SPEC ASTM B633 TYPE II SC 2
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	269
SCALE 1:2	DATE 1/18/2012
SHEET 2 OF 4	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED



FLAT PATTERN
FOR REFERENCE ONLY

(-3)

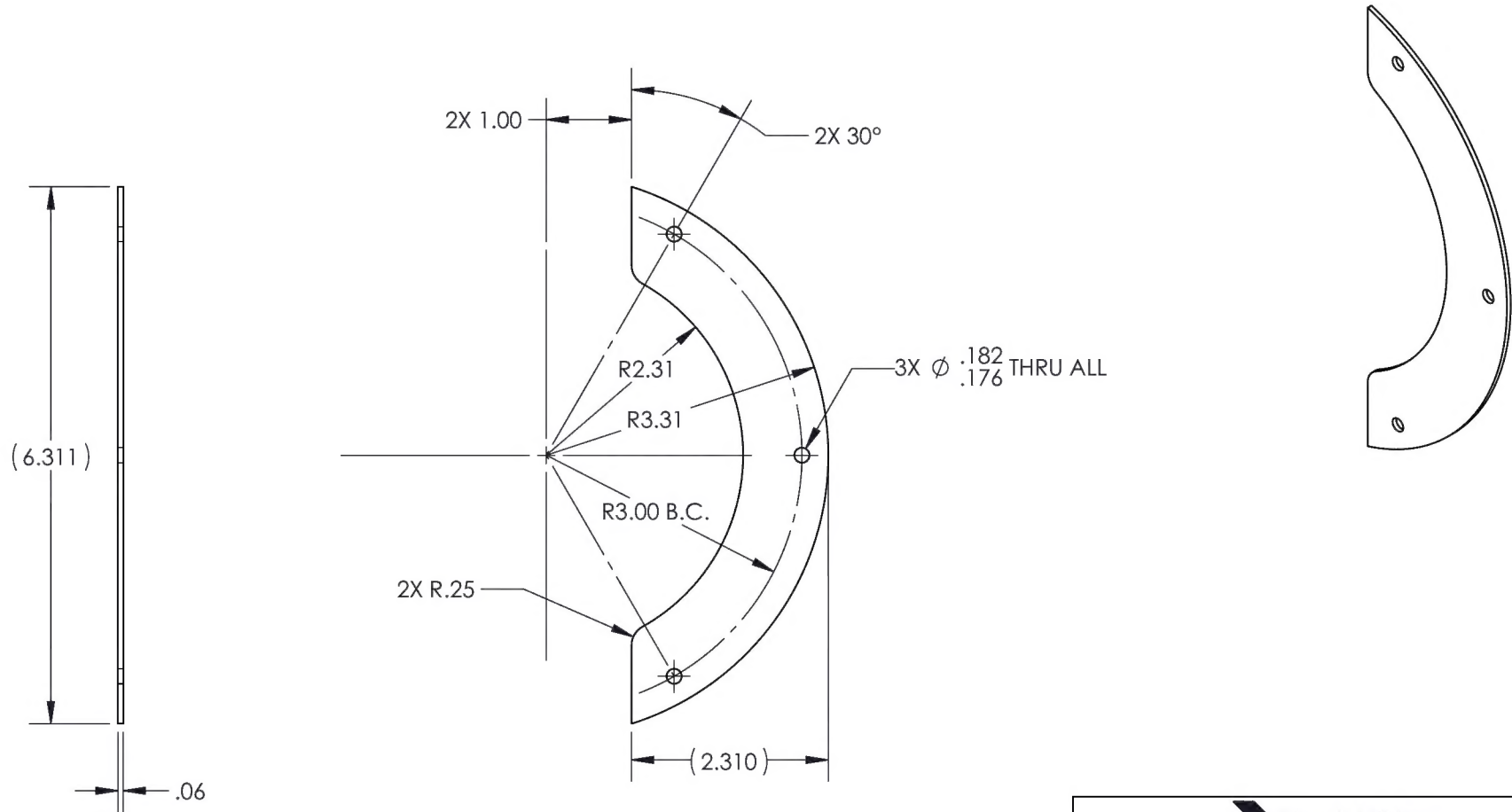
WRENCH

NOTE:
SEE SHEET 2 FOR FOLD DETAIL.

DART AEROSPACE	
TITLE 269A1315 NUT INSTALLATION WRENCH	
DWG NO. 269T9312-3	REV 5
MAT'L 4130/4140/4142	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .010 FRACTIONS ± 1/8	HEAT
.XX ± .03 ANGLES ± 5°	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL 269
SCALE 1:2	DATE 1/18/2012
SHEET 3 OF 4	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
5	15-0296	-5 CH'D FINISH WAS BLACK OXIDE IS BLACK ZINC ASTM B633 TYPE II SC2.	9/11/2015	DPD	JAG



(-5)
STOP

DART AEROSPACE	
TITLE 269A1315 NUT INSTALLATION WRENCH	
DWG NO. 269T9312-5	REV 5
MAT'L 4130/4140/4142	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .010 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .03 ANGLES ± 5°	FINISH BLACK ZINC
.X ± .1	SPEC ASTM B633 TYPE II SC 2
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	269
SCALE 1:2	DATE 1/18/2012
SHEET 4 OF 4	